

Description

The UVD50A pocket dosimeter provides convenient and accurate confirmation of UVC ultraviolet light dose. Slightly smaller than an Oreo® cookie, it easily fits in a pocket and operates continuously for five years on a coin cell.

Unlike single-use color-changing dose cards and dots, the UVD50A provides clear confirmation of UVC dose. Pushing the button lights one of five blue LEDs to indicate which UVC dose level has been reached. The dosimeter always displays the last dose by automatically restarting dose accumulation if no UVC has been detected for more than one hour.

Long-term accuracy is assured by factory calibration at 253.7nm using a NIST-traceable reference power meter.



Specifications

UVC Measurement Wavelength	253.7nm calibration point Contact UVCense for use at different UVC wavelengths
UVC Dose Thresholds	10, 25, 50, 100, 1000mJ/cm ² (dose reset by holding button)
UVC Dose Threshold Accuracy	±4% ±1mJ/cm ² (NIST-traceable calibration meter) over 0°C to 50°C operating temperature range
UVC Power Dynamic Range	4µW/cm ² to 40mW/cm ² (10,000 : 1 dynamic range)
Sensor Field of View	110° (±55°) cone above UVC sensor
Cosine Correction	Excellent cosine correction within field of view
Auto-reset Function	Automatically resets dose accumulation when new UVC is detected if no UVC has been detected for more than 1 hour
Battery Life	5 years battery life with 2 dose measurements per day Return dosimeter to UVCense for battery replacement
Dosimeter Dimensions	39.6mm diameter x 10.6mm thick 1.56 in diameter x 0.42 in thick
Warranty	Unlimited warranty (excluding product damage) Return to UVCense for battery replacement and recalibration